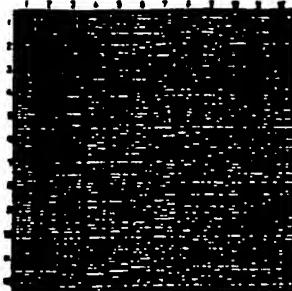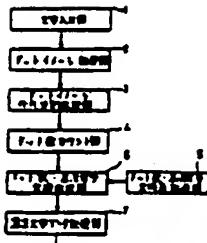E U R O P E A N   P A T E ?   O F F I C E

Patent Abstracts of Japan

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INVENTOR : SHODA YUKIHIKO; others: 02

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TITLE   : METHOD AND APPARATUS FOR
            CREATING VARIABLE DENSITY
            CHARACTER DATA

ABSTRACT   : PURPOSE:To convert a character to a gray-scale character data
easily by a method wherein a dot image is into cells, the number
of cells having dots and the number of cells having no dot are
counted, and each cell is converted to a gray-scale dot signal
having one density among multistep densities according to the
number of dots in the cell.
CONSTITUTION:In order to form aimed 12X12-dot mesh from a
96X96-dot mesh, the 96X96 dots mesh is transformed into 12X12
cells having respective 8 dots vertically laterally in each cell
with a dot image nXn diving processing part 3. How many dots
among 64 dots in one cell are under a dot presenting state are
counted with a number-of-dot counting part 4. It is converted to
a gray-scale dot signal expressing one density dot among 16-step
densities according to the number of dots with a number-of-dot
and density signal converting processing part 6. 12X12 gray-scale
dot signals of the character is read out from a gray-scale
character data memory part 7 to be outputted to a display capable
of displaying 16-step of gradation. The character is displayed
with gray-scale dots having the density determined for each cell
of 12X12 cells.

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